	Application No.	Applicant(s)
Notice of Allowability	10/784,271	SUZUKI ET AL.
	Examiner	Art Unit	
	Michael Vu	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *12/20/2006*.

2. ☒ The allowed claim(s) is/are *1,13,14,23 and 24*.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All   b) ☐ Some*   c) ☐ None of the:

        1. ☒ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the

          International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

       Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO/SB/08),
    Paper No./Mail Date 11/24/2006

4. ☐ Examiner's Comment Regarding Requirement for Deposit
    of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413),
    Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2.   Authorization for this examiner's amendment was given in a telephone interview with Attorney of record Bradley D. Lytle on February 21, 2007.

3.   Claims 13 and 14 depend on claim 1.

4.   Claim 24 depends on claim 23.

5.   Claims 2-12, 15-22, and 25-26 have been cancelled.

6.   **In claim 1, delete** "a wireless communication system including a plurality of terminals, comprising: an ad-hoc network; a first terminal configured to send, using the ad-hoc network, a signal that includes beacon information having a first identifier that identifies the origin of the sent beacon and a second identifier that identifies an issuing terminal of a certificate of privilege; and a second terminal configured to send, using the ad-hoc network, an authentication request to the first terminal in response to the signal sent from the first terminal by providing the certificate of privilege which matches the second identifier, wherein the certificate of privilege includes encrypted data for

certifying the second terminal", and **insert** - - a wireless communication system including a plurality of terminals, comprising: an ad-hoc network; a first terminal configured to send, using the ad-hoc network, a signal that includes beacon information having a first identifier that identifies the origin of the sent beacon and a second identifier that identifies an issuing terminal of a certificate of privilege; and a second terminal configured to send, using the ad-hoc network, an authentication request to the first terminal in response to the signal sent from the first terminal by providing the certificate of privilege which matches the second identifier, wherein the certificate of privilege includes encrypted data for certifying the second terminal, and a certificate-of-privilege issuing terminal list table for storing a public key certificate of a terminal that has issued the certificate of privilege; authentication-request receiving means for receiving a second authentication request from the first different terminal in response to the authentication request sent from the authentication request means; verification means for verifying a second certificate of privilege contained in the second authentication request received by the authentication-request receiving means by using a public key contained in the public key certificate stored in the certificate-of-privilege issuing terminal list table; and operation-mode checking means for determining, after the second certificate of privilege is successfully verified by the verification means, that the second authentication request is rejected when the operation mode of the different terminal is not permitted by an operable mode contained in the second certificate of privilege- - , thereto.

7.   **In claim 23, delete** "a terminal comprising: a certificate of privilege table for

storing a plurality of certificates of privilege indicating an access right of the terminal; a

status table for storing an operation mode of the terminal; selection means for providing

an instruction to select one of the plurality of certificates of privilege stored in the

certificate of privilege table; and sending means for sending a different terminal a signal

including beacon information having a first identifier that identifies the origin of the sent

beacon and a second identifier that identifies an issuing terminal of a certificate of

privilege selected by the selection means and the operation mode of the terminal,

wherein the certificate of privilege includes encrypted data for certifying the second

terminal", and **insert** - - a terminal comprising: a certificate of privilege table for storing a

plurality of certificates of privilege indicating an access right of the terminal; a status

table for storing an operation mode of the terminal; selection means for providing an

instruction to select one of the plurality of certificates of privilege stored in the certificate

of privilege table; and sending means for sending a different terminal a signal including

beacon information having a first identifier that identifies the origin of the sent beacon

and a second identifier that identifies an issuing terminal of a certificate of privilege

selected by the selection means and the operation mode of the terminal, wherein the

certificate of privilege includes encrypted data for certifying the second terminal, and a

certificate-of-privilege issuing terminal list table for storing a public key certificate of a

terminal that has issued the certificate of privilege; authentication-request receiving

means for receiving a second authentication request from the first different terminal in

response to the authentication request sent from the authentication request means;

verification means for verifying a second certificate of privilege contained in the second authentication request received by the authentication-request receiving means by using a public key contained in the public key certificate stored in the certificate-of-privilege issuing terminal list table; and operation-mode checking means for determining, after the second certificate of privilege is successfully verified by the verification means, that the second authentication request is rejected when the operation mode of the different terminal is not permitted by an operable mode contained in the second certificate of privilege- - , thereto.

8.   Dependent claims 13-14, and 24 are allowable for the same reason as set forth above.

9.   Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

10.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael T. Vu whose telephone number is (571) 272-8131. The examiner can normally be reached on 8:00am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-272-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Michael T. Vu
Examiner

JOSEPH FEILD
SUPERVISORY PATENT EXAMINER